UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity) (Only for new possessions)

Docket No. 05900001PB

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

| Fransmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application fo | or an |
|---|-------|
| ovention entitled: | |

| invention entitle | ed: | |
|---------------------|---|------------|
| | ARTICLES, METHODS OF MAKING AND USING | 96 PTG |
| | | 2440 |
| and invented b | у: | 0/2 |
| David Ander | | 038 |
| | | |
| | | |
| If a CONTINU | IATION APPLICATION, check appropriate box and supply the requisite information: | |
| ☑ Continua | ation 🔲 Divisional 🔲 Continuation-in-part (CIP) of prior application No.: | 10/170,237 |
| Which is a: | | |
| ☐ Continua | ation 🔲 Divisional 🗵 Continuation-in-part (CIP) of prior application No.: | 09/297,997 |
| Which is a: | | |
| Continua | ation 🔲 Divisional 🔲 Continuation-in-part (CIP) of prior application No.: | |
| Enclosed are: | | |
| | Application Elements | |
| 1. 🗵 Fi | ling fee as calculated and transmitted as described below | |
| | and including the following: | |
| 2. ⊠ S _l | pecification having 143 pages and including the following: | |
| a. 🗵 | Descriptive Title of the Invention | |
| b. 🗵 | Cross References to Related Applications (if applicable) | |
| с. 🗆 | Statement Regarding Federally-sponsored Research/Development (if applicable) | |
| d. 🗆 | Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix | |
| e. 🗵 | | |
| _ | | |
| f. ⊠ | | |
| g. 🗵 | | |
| h. 🗵 | Detailed Description | |
| i. 🗵 | Claim(s) as Classified Below | |
| j. 🗵 | Abstract of the Disclosure | |
| | | |

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. **05900001PB**

Total Pages in this Submission

Application Elements (Continued) 3. Drawing(s) (when necessary as prescribed by 35 USC 113)

| | | | * · · · | | | | | | |
|-----|-------------|------------|--|----------------------------------|-------------------------------|---------------------|---------------------|---|---------------------------------|
| | a. | X | Formal | Number of S | heets | | 11 | _ | |
| | b. | | Informal | Number of S | heets | | | | |
| 4. | X | Oath | or Declaration | n | | | | | |
| | a. | | Newly execute | ed (original or | сору) | ☐ Unex | recuted | | |
| | b. | X | Copy from a p | orior application | on (37 CFR ⁻ | 1.63(d)) <i>(fc</i> | r continuation/div | isional application only) | |
| | C. | X | With Power o | f Attorney | ☐ Withou | ut Power o | f Attorney | | |
| | d. | | DELETION O Signed staten see 37 C.F.R | nent attached | deleting inv | entor(s) na | amed in the prior | application, | |
| 5. | X | The Box | rporation By R entire disclosu 4b, is consid rporated by re | ure of the prio lered as bein | r application g part of th | i, from whi | ch a copy of the | oath or declaration is mpanying application | supplied under and is hereby |
| 6. | | CD | ROM or CD-R | in duplicate, | large table o | r Compute | er Program (App | endix) | |
| 7. | | | lication Data S | | | 1 | //s !! bla - all | must be included) | |
| 8. | | Nuc | | | | ibmission | (іт арріісаріе, аіі | must be included) | |
| | a. | | Computer Re | | | | | | |
| | b. | | • | Sequence Lis | | | | | |
| | | | | -ROM or CD- | R (2 copies) | ; or | | | |
| | | | ii. 🗌 Par | | | 1.0 | | 2anv | |
| | C. | | Statement(s) | | | | outer Readable C | С ору | |
| | | | | Α | ccompanyi | ng Applic | ation Parts | | |
| 9. | X | Ass | ignment Pape | rs (cover she | et & docume | ent(s)) | | | |
| 10. | | 37 (| CFR 3.73(B) S | tatement (wh | en there is a | ın assigne | e) | | |
| 11. | | Eng | lish Translatio | n Document | (if applicable | | | | |
| 12. | X | Info | rmation Disclo | sure Stateme | ent/PTO-144 | 19 ⊠ | Copies of IDS C | Citations | |
| 13. | \boxtimes | | liminary Amen | | | | | | |
| 14. | X | | | | | | cifically itemized | 1) | |
| 15. | | Cer | tified Copy of | Priority Docur | nent(s) (if fo | reign prior | ity is claimed) | | |
| 16. | | Cer | tificate of Mail | | | | | | |
| | | | First Class | ☐ Expres | s Mail (Spec | ify Label N | lo.): HAND DE | LIVERED | |

07/23/

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

Docket No. 0590001PB

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

| PTO | | Accompanying Application Parts (Continued) |
|-----|---|--|
| 17. | × | Applicant claims small entity status. See 37 CFR 1.27. |
| | | (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: |
| 18. | | Additional Enclosures (please identify below): |
| | | |
| | | Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2) |
| 19. | | Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. |
| | | Warning |
| | | An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional. |
| | | |

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 05900001PB

Total Pages in this Submission

Fee Calculation and Transmittal

| CLAIMS AS FILED | | | | | | | |
|---|---------------------------------|--------|----|---|-----------------|------------|--|
| For | For #Filed #Allowed #Extra Rate | | | | Fee | | |
| Total Claims | 66 | - 20 = | 46 | × | \$9.00 | \$414.00 | |
| Indep. Claims | 15 | - 3 = | 12 | × | \$42.00 | \$504.00 | |
| Multiple Dependent Claims (check if applicable) | | | | | | \$0.00 | |
| | | | | | BASIC FE | \$375.00 | |
| OTHER FEE (specify purpose) | | | | | | \$0.00 | |
| | | | | | TOTAL FILING FE | \$1,293.00 | |

A check in the amount of

\$1,293.00

to cover the filing fee is enclosed.

Mark The Director is hereby authorized to charge and credit Deposit Account No. as described below.

50-2041

☐ Charge the amount of

as filing fee.

☑ Credit any overpayment.

☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: July 23, 2003

PATENT TRADEMARK OFFICE

Signature

Ruth Tyler-Cros Reg No. 45,922

Whitham, Curtis & Christofferson, P.C.

11491 Sunset Hills Road, Suite 340

Reston, Virginia 20190

703-787-9400

CC: